TECHORIZ. | **WEB ACADEMY**

Calicut's
Best Live Training
**Web Development
Academy**

Expert Oriented
Training Centre

Training in
Live Projects

100% Placement
Assistance

Igniting Dreams in Web Development

Welcome to Techoriz Web Academy, an innovative hub for mastering the latest in web development and design. As the educational arm of Techoriz Digital Solutions Pvt Ltd, Calicut's premier IT company, we bring cutting-edge technology and industry expertise to aspiring professionals and students.

Our Vision

At Techoriz Web Academy, we see a future where everyone's skilled in web development. We aim to help passionate learners become pros who can truly stand out in the digital world.

Why Choose
Techoriz Web Academy

Industry-Relevant Curriculum

Our courses are meticulously designed to align with industry trends, ensuring that you acquire the skills that employers value.

Experienced Instructors

Learn from seasoned professionals and industry experts who bring real-world insights into the classroom.

Hands-On Projects

Gain practical experience through hands-on projects, allowing you to apply your knowledge in real-world scenarios.

Career Support

Benefit from our career support services, including job placement assistance and guidance to help you launch your career in the competitive IT industry.

Join Techoriz Web Academy and embark on a transformative journey towards becoming a proficient and sought-after web development professional. Your success begins here.

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Courses We Offer

- **MERN Stack Development Course** (6 Month Course)

- **.Net Fullstack with Razor** (6 Month Course)

- **.Net Fullstack with React JS** (6 Month Course)

- **UI/UX Designer Course** (3 Month Course)

- **React JS Training Course** (3 Month Course)

- **Odoo (Functional & Technical)** (6 Month Course)

- **Odoo Development – Technical Fundamentals** (3 Month Course)

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MERN Stack Development Course

Dive into the world of full-stack development with our comprehensive MERN (MongoDB, Express.js, React.js, Node.js) Stack course. Learn to build robust and scalable web applications from the ground up.

1. INTRODUCTION TO WEB DEVELOPMENT

- What is web development?
- How websites work?
- Advantages of learning web development
- Web standards

2. HTML

- What is HTML?
- Basic Structure of HTML
- HTML Tags
- Adding and formatting texts, title, paragraph, body
- Lists – Ordered/Unordered
- Images and Videos
- Forms and Links
- Tables
- Iframes
- Anchor tags
- Divs
- HTML5 elements

3. CSS

- CSS Introduction
- Inline vs Internal vs External styling
- CSS Display
- CSS Backgrounds
- Borders, Margins, Padding
- CSS Font Styling
- Stylings Lists and Tables
- Forms
- Font Awesome
- Button
- Transitions, Transformation, Animations
- Flex
- Grid
- Gradients

4. BOOTSTRAP

- Bootstrap containers
- Tables, Images, Colors
- Alerts, Buttons
- Spinners
- Cards
- Pagination
- Navigation
- Grid
- Drop Down
- Carousel

5. JAVASCRIPT

- Introduction to JavaScript
- Variables, scoping, Data type
- Strings and Numbers
- Arithmetic
- Operators and loops

- JavaScript Get Date Methods
- Functions
- Conditions
- Understanding and working with DOM
- Developer tools in Browsers
- Prototypes
- Closures
- JavaScript JSON
- Local Storage
- Ajax
- Events
- Javascript oops Concepts

6. REACT

- React Intro
- Install node
- Understanding basics of react app
- REACT ES6
- React Render HTML
- Styling React Using CSS
- Understanding JSX
- Understanding virtual DOMS
- React Lifecycle
- States
- Class components vs functions components
- Event handling
- React Hook
- Prop
- Routes
- Conditional Rendering

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- Pure Components
- High Order components vs
  Controlled vs Uncontrolled components
- Axios

7. NODE JS

- Server-Side Rendering
- Routing
- Express Intro
- Make a call from frontend to server
- Node.js Modules
- Node.js File System Module
- Events
- Email
- Express Params and Query String

- Express Middleware
- API Authentication
- JWT Token
- Socket Programming

8. DATABASE

- SQL vs NO SQL
- MongoDB / DynamoDB overview
- Installing MongoDB
- Connecting and inserting data
- Deleting and updating data
- CRUD
- Write functions to add/update
- PROJECT + CODE REVIEW + DEPLOYMENT

.Net Fullstack with Razor

Discover the synergy of .NET Full Stack development with Razor. Master server-side scripting and dynamic web page creation, combining the power of .NET with the simplicity and flexibility of Razor syntax.

1. INTRODUCTION TO C# PROGRAMMING

- Programming Basics with C#
- Identifiers and Keywords
- Operators and Data Types
- Access Modifiers
- Object Oriented Programming (Class and Object)
- OOPS Concepts(Encapsulation, Abstraction, Polymorphism, Inheritance)
- Arrays
- Functions and Types of Parameters
- Automatic Property
- Constructors
- Collection Classes (Array List, Hash Table, Sorted List)
- Generics and Lists
- Threading
- Lambda Functions
- Exception Handling
- Delegates
- String Functions

2. GIT AND GITHUB

- Introduction
- Git installation
- Repository creation in GitHub
- Commands in git

3. ASP.NET
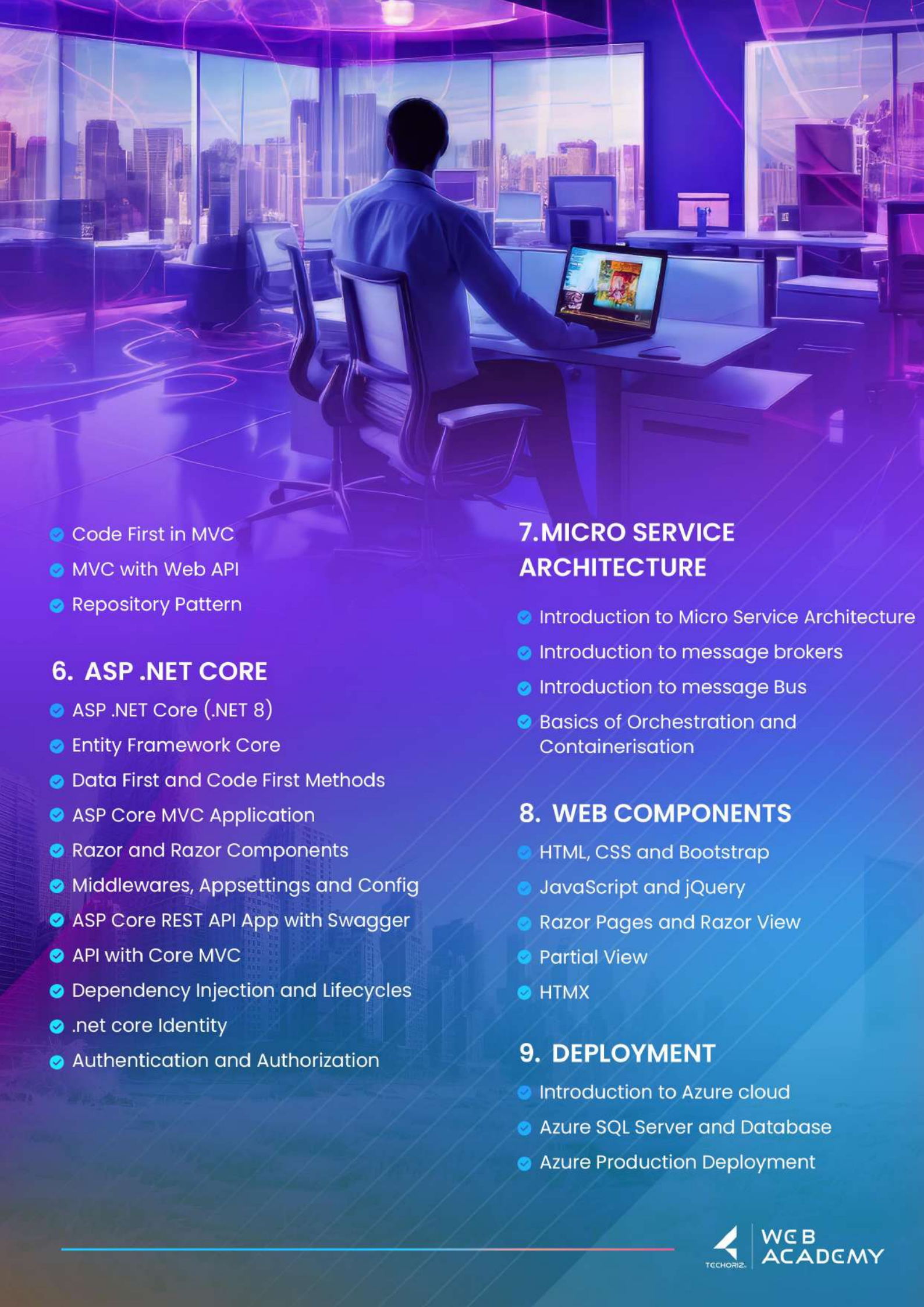
- Introduction to ASP .NET Web Forms
- ASP .NET Controls (HTML, Server, Validation, Navigation,AJAX, Data)
- ASP. Net Objects/State Managements
- MS SQL Server (DML, DDL, DQL Queries, Constraints, Join Queries, Group by Having, Order by, Like, aggregate functions)
- ADO .NET
- Two Tier Architecture

4. ADVANCED ASP.NET

- Introduction to Three Tier Architecture
- API or service Application with WCF
- SQL Stored Procedure
- Master Page and Content Placeholders
- Authentication and Authorization
- AJAX
- Advanced Programming with N tier Architecture
- ViewBag and ViewData
- External API Integration (mail, map, payment gateway)

5. MVC

- Introduction to MVC Architecture
- MVC with Stored Procedure
- LINQ and Entity Framework

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- Code First in MVC
- MVC with Web API
- Repository Pattern

6. ASP .NET CORE

- ASP .NET Core (.NET 8)
- Entity Framework Core
- Data First and Code First Methods
- ASP Core MVC Application
- Razor and Razor Components
- Middlewares, Appsettings and Config
- ASP Core REST API App with Swagger
- API with Core MVC
- Dependency Injection and Lifecycles
- .net core Identity
- Authentication and Authorization

7. MICRO SERVICE ARCHITECTURE

- Introduction to Micro Service Architecture
- Introduction to message brokers
- Introduction to message Bus
- Basics of Orchestration and Containerisation

8. WEB COMPONENTS

- HTML, CSS and Bootstrap
- JavaScript and jQuery
- Razor Pages and Razor View
- Partial View
- HTMX

9. DEPLOYMENT

- Introduction to Azure cloud
- Azure SQL Server and Database
- Azure Production Deployment

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.Net Fullstack with React JS

Explore the fusion of .NET Full Stack development with React JS. Learn to craft modern web applications, leveraging the robustness of .NET on the backend and the interactivity of React JS on the frontend.

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- Collection Classes (Array List, Hash Table, Sorted List)
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- Threading
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- Exception Handling
- Delegates
- String Functions

2. GIT AND GITHUB

- Introduction
- Git installation
- Repository creation in GitHub
- Commands in git
- Real time code integration

3. ASP .NET CORE

- ASP .NET Core (.NET 8)
- Introduction to ADO.net
- SQL and stored procedure
- Entity Framework Core
- Data First and Code First Methods
- Introduction to MVC Architecture
- ASP Core MVC Application
- Razor and Razor Components
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4. MICRO SERVICE ARCHITECTURE

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- Introduction to message Bus
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5. WEB COMPONENTS

- HTML
- CSS
- Bootstrap
- JavaScript/ES6
- jQuery

6. REACT JS

- Introduction
- Install
- How to set up a project
- React Introduction
- Environment Setup
- Features
- JSX

- Components
- Functional component
- Class component
- Rendering Lists
- Conditional rendering
- State and Props
- Component lifecycle
- Forms
- Controlled components
- Consuming rest apis via axios
- Events
- Routing - React router
- Hooks
- State Management
- Redux
- Styling
- Introduction to GraphQL

7. DEPLOYMENT

- Introduction to Azure cloud
- Azure SQL Server and Database
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UI/UX Designer Course

Unleash your creativity and learn the art and science of User Interface (UI) and User Experience (UX) design. Craft visually appealing and user-friendly digital experiences that leave a lasting impression.

1. THE BASICS

- Introduction on user research
- User Research Process & Methods
- Trends in UX
- User Interaction
- What is UX Design and Where is Used
- Intro to Software Tools
- Qualitative Data
- Quantitative Data
- Techniques of Collection of Data
- Types of User
- 6 Design Steps in UX

2. UX DESIGN PROCESS

- Visual Design Principles
- Information Design and Data Visualization
- Interaction Design
- Information Architecture
- Wire framing & Storyboarding
- Elements and Widgets
- Screen Design and Layouts
- Design Testing Methods and Techniques
- Usability Testing – Types and Process
- Create plan for the Usability
- improving the design
- Design Principles
- Typography and Color

- Understanding Android & IOS design guidelines
- Navigation & hierarchy creation
- Intro to Design Tools (XD/Figma/Sketch)
- Converting Wireframes to Visual Design

3. MULTIPLE SCREEN SIZES

- Responsive Web Design
- Mobile Considerations & Limitations
- Discoverability Challenges
- Mobile Navigation
- Phone vs Tablet App Design

4. HTML

- Basic HTML-5 Structure
- HTML tag, element & Attribute
- Formatting Tags
- Specifying Font Information
- Anchor Tag
- HTML Lists & Blocks
- HTML Table
- HTML Layout
- HTML Form
- Form Overview
- HTML Iframes
- HTML Media
- HTML5 Video and Audio

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5. CSS

- Introduction to CSS
- External Style Sheet
- Internal Style Sheet
- Inline Style
- CSS Syntax
- CSS Id & Class
- CSS Selectors
- Property Introduction
- The word-spacing Property
- Text managing properties
- CSS Box Model
- 2 Column Layout
- 3 Column Layout
- CSS Border, Outline, Margin & Padding

- CSS Floating & Positioning
- CSS Dimension & Display
- CSS Align, Pseudo-class, Pseudo-element &Navigation Bar
- CSS3 Round Corners
- CSS3 Font-face
- CSS3 Transparency and Semi-transparency
- CSS3 Box Shadow & Text Shadow
- CSS3 Transitions, Transform & Gradient

6. WEBPAGE PROJECT
7. MOBILE APP DESIGNS

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React JS Training Course

Stay at the forefront of web development with our React JS Training Course. Master the React library and create efficient, interactive, and modern user interfaces.

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- ✔ High Order components vs Controlled vs Uncontrolled components

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Odoo (Functional & Technical)

Advanced Odoo course provides comprehensive training in both Functional and Technical aspects. It covers various aspects of business management and software development using Odoo.

1. INTRODUCTION

- Introduction to Odoo 17
- Benefits of Odoo 17
- Company Creation

2. CRM

- Introduction to CRM
- Lead Management
- Opportunity Management
- Setting Up Pipeline
- Managing Sales Team
- Activity Management
- Configuration and User Creation

3. SALES

- Introduction to Sales
- Customer Creation
- Company Contact Creation
- Adding Contact for the company
- Adding Different Addresses
- Product Creation
- Setting up General Information
- Setting up Product Categories
- Unit Of Measurements and its categories

- Setting up different price lists for products
- Creating a New Quotation
- Use of optional and other information in the quotation
- Shipping Policies in Questions
- Sales Order
- Quotation Vs Sales Order
- Order to Invoice process
- Charging for Delivery Service

4. PURCHASE

- Introduction to Purchase
- Vendor Creation
- Sending Request for Quotations
- Creating Purchase Order
- Managing Vendor Prices
- Schedule Goods Receipt
- Managing Landed Cost

5. ACCOUNTING

- Introduction to Odoo Accounting
- Basic Configuration
- Accounting Dashboard
- Accounts-related configurations of Customer/Vendor

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- Configuration and Usage of fiscal positions
- Defining new payment terms
- Tax configuration
- Accounts
- Configurations of Products/Services
- Creating Customer Invoices and making payments
- Creating Credit notes against invoices
- Creating Batch Payments
- Setting up Follow-up Reports
- Creating Purchase Bills and making payments
- Creating credit notes against Purchase bills
- Setting up the Journals
- Understanding Account types
- Setting of COA
- Financial Reports
- Management Reports
- Analytic Accounts
- Expenses Tracking

6. INVENTORY

- Introduction to Inventory
- Inventory Dashboard
- Setting Initial Inventory
- Operations
- Goods receipt
- Goods delivery
- Internal transfer
- Inventory Adjustments

- Scrap inventory
- Product Catalog
- Variants and Variant attributes
- Inventory Tracking
- Inventory Reports
- Inventory Forecasts
- Shipping Methods
- Warehouse Management
- Location management
- Procurement Routes
- Inventory Valuation methods
- Connect inventory with accounts
- Costing Methods

7. POINT OF SALE (POS)

- Introduction to Point of Sale (POS)
- Setting up POS terminals
- Managing products in POS
- Creating and processing POS orders
- Handling payments and receipts in POS
- Configuring POS settings
- Reporting and analytics in POS
- Integrating POS with inventory and accounting

8. PROJECT MANAGEMENT

- Introduction to Project Management
- Creating and managing projects
- Task management in projects

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- Resource allocation and scheduling
- Time tracking and reporting
- Project billing and invoicing
- Project collaboration and communication
- Project dashboard and analytics

9. INTRODUCTION TO ODOO DEVELOPMENT

- Basics of Python programming language
- Data types
- variables operators
- Control structures: loops and conditional statements
- Functions and modules
- Installing Odoo (package / from source)
- Using the development platform of Odoo
- Understanding initialization files and configurations

10. MODULE DEVELOPMENT BASICS

- Module Structure and Anatomy
- Understanding the structure of an Odoo module
- Anatomy of a typical Odoo module
- Object Relational Mapping (ORM)
- Understanding models and fields
- Defining data models and relationships
- Introduction to ORM methods
- Creating actions and menus
- Introduction to XML files and their relation to Odoo data
- Tips and tricks for efficient use of the search bar

11. ADVANCED MODULE DEVELOPMENT

- Advanced Views
- Creating and managing lists and trees
- Configuring search views
- Introduction to calendar views
- Gantt charts and graphs
- Utilizing Kanban Boards Web Services
- Advanced ORM Methods

12. ADVANCED TOPICS IN ODOO DEVELOPMENT

- Managing Model Inheritance
- Handling inheritance in Python and XML
- Overriding views to edit their content
- Interaction between fields (on change, related, computed, inversed)
- Complex domains and contexts
- Adding demo data to modules
- Designing and implementing wizards
- Advanced customization of the GUI (widgets, components, buttons)
- Security Concepts and Management
- Managing groups and Record roles

13. BUILDING VIEWS (BASICS)

- Relational Fields
- Introducing relations between data models
- Adding references to partners in custom data models
- Wizards

Odoo Development – Technical Fundamentals

This course is designed to provide a comprehensive understanding of Odoo development, starting from the basics of Python programming language to advanced module development and user interface configuration. The course covers the following modules

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- Introduction to Python Programming
- Basics of Python programming language
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- Control structures: loops and conditional statements
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- Creating and managing lists and trees
- Configuring search views
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- Introducing relations between data models
- Adding references to partners in custom data models
- Wizards

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